

IN THE ABSTRACT:

ARRANGEMENT AND METHOD FOR CONNECTING A NODE IN A DISTRIBUTED
SYSTEM

An arrangement and method for interconnecting fail-uncontrolled processor nodes in a dependable distributed system. A node (340; 350) has a bus guardian (200) with input switches (240-242) which act in combination with a logic element (260) as an input multiplexer under the control of a control unit (250).

This provides the advantage of transferring the problem of fault containment from the output interface of a potentially faulty processing node to the input interface of fault-free processing nodes. By doing so, problems encountered by spatial proximity faults or functional dependencies within a faulty processing node that may jeopardize fault containment at its output interface are mitigated.